

High Performance, Low Loss Coaxial Cable

FN61
V1

Data for FN61 cable

Electrical:

Frequency Range:

DC to 8 GHz theoretical

Assemblies are offered to 8 GHz*

Insertion Loss:

See sheet 3 (IL @ 1 GHz is 3.134 dB/100 ft)

Power Handling:

See sheet 3

Impedance:

50 Ohms Nominal

Velocity of Propagation:

76 percent nominal

Time delay:

1.337 nanoseconds/foot nominal

(4.386 nanoseconds/meter nominal)

Capacitance:

26.8 picoFarads/foot nominal

(87.9 picoFarads/meter nominal)

Mechanical:

Construction Details:

See sheet 2

Dimensions:

See sheet 2

Minimum Bend Radius:

1.83 inches (46.48mm) Static

3.05 inches (77.47mm) Dynamic

Flexure:

>100,000 cycles per MIL-C-87104

Weight:

0.3100 lb/ft (461.74 g/m) nominal

Maximum Assembly Length:

Approximately 1000 feet (304.8 m)

Available in Bulk:

No

Environmental:

Temperature:

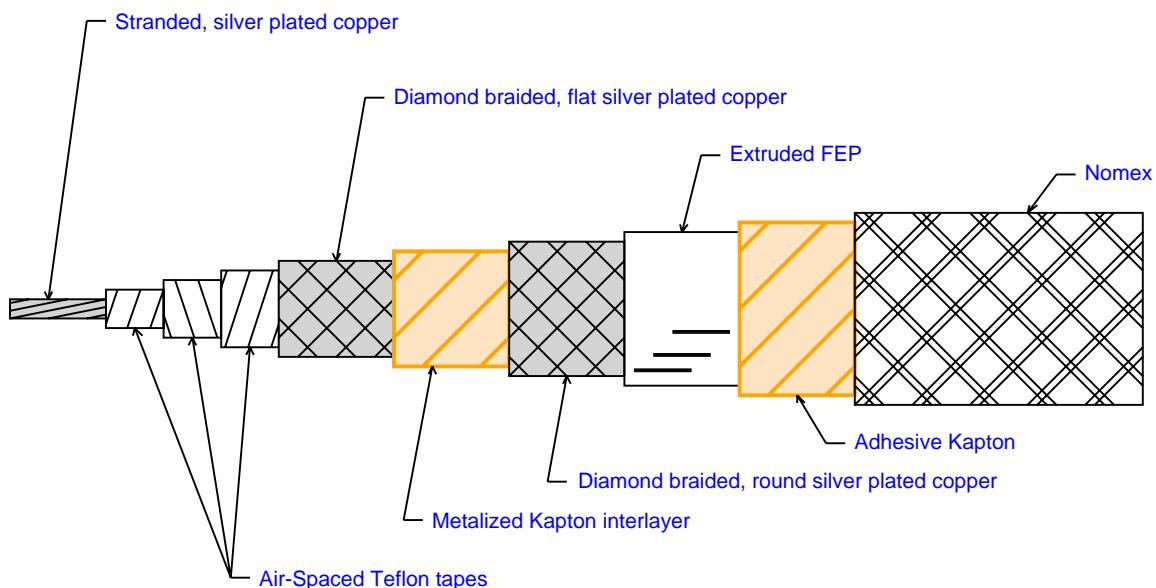
-55°C to 200°C

* Upper frequency limit of assemblies may be restricted by the connector types selected

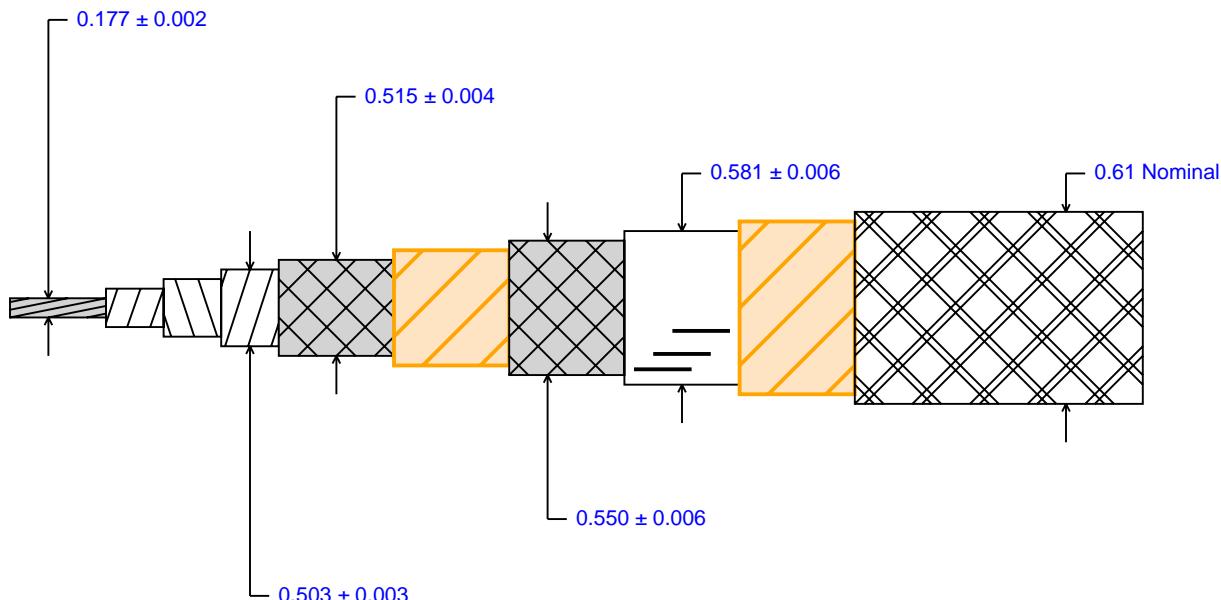
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Construction Details for FN-- Cable



Dimensions for FN61 Cable

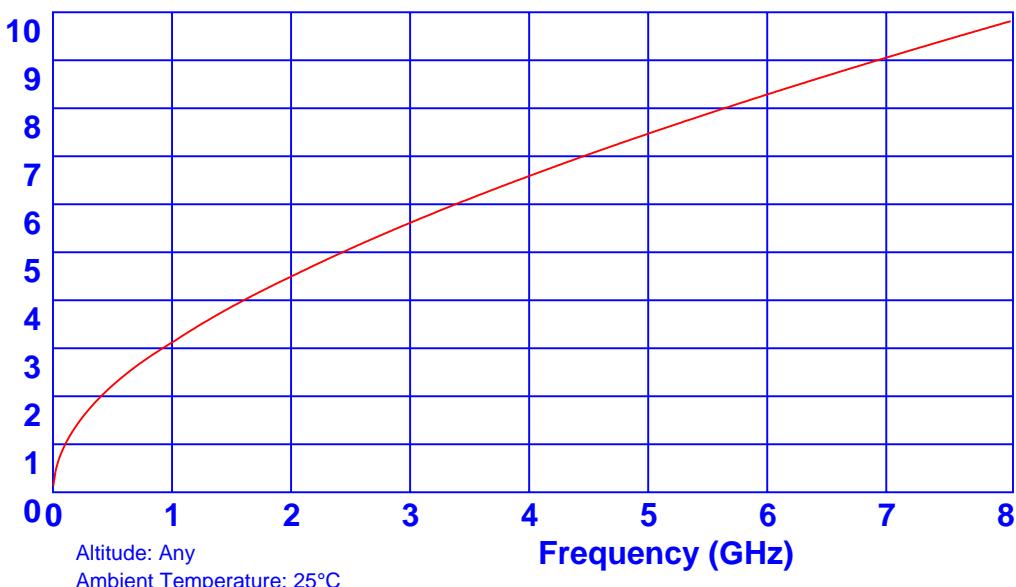


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Maximum Insertion Loss for FN61 Cable

dB/100 feet



Maximum Power Handling (KiloWatts CW) for FN61 cable

